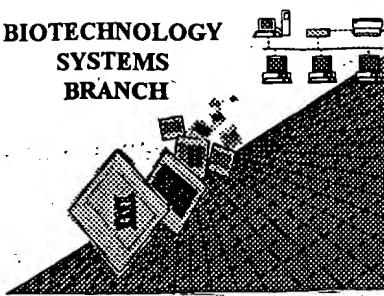


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*FILE COPY
850 1/20/04*

BIOTECHNOLOGY
SYSTEMS
BRANCH



RAW SEQUENCE LISTING
ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number:

09/756,096

Source:

O1PF

Date Processed by STIC:

1/8/2002

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MAY 22 2002

TECH CENTER 1600/2900

*Raw Seq. listing
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FEB 25 2002*

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

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APR 03 2002

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212. OFFICE OF PETITIONS

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 3.1 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE: SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom, including:

1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>>), EFS Submission

User Manual - ePAVE

2. U.S. Patent and Trademark Office, Box Sequence, P.O. Box 2327, Arlington, VA 22202

3. Hand Carry directly to:

U.S. Patent and Trademark Office, Technology Center 1600, Reception Area, 7th Floor, Examiner Name,
Sequence Information, Crystal Mall One, 1911 South Clark Street, Arlington, VA 22202

Or

U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two,
2011 South Clark Place, Arlington, VA 22202

4. Federal Express, United Parcel Service, or other delivery service to: U.S. Patent and Trademark Office,
Box Sequence, Room 1B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

OIPE

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/756,096

DATE: 01/08/2002
TIME: 15:21:15

Input Set : A:\09756096SEQUENCELISTING.txt
Output Set: N:\CRF3\01082002\I756096.raw

4 <110> APPLICANT: Mitchell, Lloyd G.
 5 Garcia-Blanco, Mariano A.
 6 Puttaraju, Madaiah
 7 Mansfield, Gary S.

10 <120> TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR USE IN
 11 SPLICEOSOME MEDIATED RNA TRANS-SPlicing

14 <130> FILE REFERENCE: A31304-B-A-B 072874.0135

16 <140> CURRENT APPLICATION NUMBER: 09/756,096

17 <141> CURRENT FILING DATE: 2001-01-08

19 <150> PRIOR APPLICATION NUMBER: 09/158,863

20 <151> PRIOR FILING DATE: 1998-09-23

22 <150> PRIOR APPLICATION NUMBER: 09/133,717

23 <151> PRIOR FILING DATE: 1998-08-13

25 <150> PRIOR APPLICATION NUMBER: 09/087,233

26 <151> PRIOR FILING DATE: 1998-05-28

28 <150> PRIOR APPLICATION NUMBER: 08/766,354

29 <151> PRIOR FILING DATE: 1996-12-13

31 <150> PRIOR APPLICATION NUMBER: 60/008,317

32 <151> PRIOR FILING DATE: 1995-12-15

34 <160> NUMBER OF SEQ ID NOS: 105

36 <170> SOFTWARE: FastSEQ for Windows Version 4.0

38 <210> SEQ ID NO: 1

39 <211> LENGTH: 132

40 <212> TYPE: DNA

41 <213> ORGANISM: Homo sapien

43 <400> SEQUENCE: 1

44 caggggacgc accaaggatg gagatgttcc agggcgctga tgatgttgtt gattttctt 60
 45 aaatcttttg ttagaaaaaa ctttcttcg taccacggga ctaaacctgg ttatgttagat 120
 46 tccattcaaa aa 132

48 <210> SEQ ID NO: 2

49 <211> LENGTH: 29

50 <212> TYPE: DNA

51 <213> ORGANISM: Corynebacterium diphtheriae

53 <400> SEQUENCE: 2

54 ggcgctgcag ggcgctgatg atgttgtt 29

56 <210> SEQ ID NO: 3

57 <211> LENGTH: 36

58 <212> TYPE: DNA

59 <213> ORGANISM: Corynebacterium diphtheriae

61 <400> SEQUENCE: 3

62 ggcgaagctt ggatccgaca cgatttcctg cacagg 36

64 <210> SEQ ID NO: 4

65 <211> LENGTH: 68

66 <212> TYPE: DNA

67 <213> ORGANISM: Artificial Sequence

69 <220> FEATURE:

70 <223> OTHER INFORMATION: Oligonucleotide

Does Not Comply
 Corrected Diskette Needed

MP 6-7

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/756,096

DATE: 01/08/2002
TIME: 15:21:15

Input Set : A:\09756096SEQUENCETLISTING.txt
Output Set: N:\CRF3\01082002\I756096.raw

72 <400> SEQUENCE: 4
73 aattctctag atgcttcacc cgggcctgac tcgagtacta actggtagct cttctttttt 60
74 ttccctgca 68
76 <210> SEQ ID NO: 5
77 <211> LENGTH: 60
78 <212> TYPE: DNA
79 <213> ORGANISM: Artificial Sequence
81 <220> FEATURE:
82 <223> OTHER INFORMATION: Oligonucleotide
84 <400> SEQUENCE: 5
85 ggaaaaaaa gaagaggta cagttgtac tcgagtcagg cccgggtgaa gcatcttagag 60
88 <210> SEQ ID NO: 6
89 <211> LENGTH: 24
90 <212> TYPE: DNA
91 <213> ORGANISM: Artificial Sequence
93 <220> FEATURE:
94 <223> OTHER INFORMATION: Oligonucleotide primer
96 <400> SEQUENCE: 6
97 tcgagcaacg ttataataat gttc 24
99 <210> SEQ ID NO: 7
100 <211> LENGTH: 24
101 <212> TYPE: DNA
102 <213> ORGANISM: Artificial Sequence
104 <220> FEATURE:
105 <223> OTHER INFORMATION: Oligonucleotide primer
107 <400> SEQUENCE: 7
108 tcgagaacat tattataacg ttgc 24
110 <210> SEQ ID NO: 8
111 <211> LENGTH: 35
112 <212> TYPE: DNA
113 <213> ORGANISM: Artificial Sequence
115 <220> FEATURE:
116 <223> OTHER INFORMATION: Oligonucleotide primer
118 <400> SEQUENCE: 8
119 aattctctag atcaggcccc ggtgaagcac tcgag 35
121 <210> SEQ ID NO: 9
122 <211> LENGTH: 25
123 <212> TYPE: DNA
124 <213> ORGANISM: Artificial Sequence
126 <220> FEATURE:
127 <223> OTHER INFORMATION: Oligonucleotide primer
129 <400> SEQUENCE: 9
130 tgcttcaccc gggcctgatc tagag 25
132 <210> SEQ ID NO: 10
133 <211> LENGTH: 18
134 <212> TYPE: DNA
135 <213> ORGANISM: Homo sapien
137 <400> SEQUENCE: 10
138 tgcttcaccc gggcctga 18

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/756,096

DATE: 01/08/2002
TIME: 15:21:15

Input Set : A:\09756096SEQUENCELISTING.txt
Output Set: N:\CRF3\01082002\I756096.raw

140 <210> SEQ ID NO: 11	
141 <211> LENGTH: 16	
142 <212> TYPE: DNA	
143 <213> ORGANISM: Homo sapien	
145 <400> SEQUENCE: 11	
146 ctcttctttt ttttcc	16
148 <210> SEQ ID NO: 12	
149 <211> LENGTH: 18	
150 <212> TYPE: DNA	
151 <213> ORGANISM: Homo sapien	
153 <400> SEQUENCE: 12	
154 caacgttata ataatgtt	18
156 <210> SEQ ID NO: 13	
157 <211> LENGTH: 16	
158 <212> TYPE: DNA	
159 <213> ORGANISM: Homo sapien	
161 <400> SEQUENCE: 13	
162 ctgtgattaa tagcgg	16
164 <210> SEQ ID NO: 14	
165 <211> LENGTH: 16	
166 <212> TYPE: DNA	
167 <213> ORGANISM: Homo sapien	
169 <400> SEQUENCE: 14	
170 cctggacgcg gaagtt	16
172 <210> SEQ ID NO: 15	
173 <211> LENGTH: 51	
174 <212> TYPE: DNA	
175 <213> ORGANISM: Homo sapien	
177 <400> SEQUENCE: 15	
178 ctgggacaag gacactgctt cacccggtaa gtagaccaca gccctgaagc c	51
180 <210> SEQ ID NO: 16	
181 <211> LENGTH: 17	
182 <212> TYPE: DNA	
183 <213> ORGANISM: Homo sapien	
185 <400> SEQUENCE: 16	
186 cttctgtttt ttttctc	17
188 <210> SEQ ID NO: 17	
189 <211> LENGTH: 16	
190 <212> TYPE: DNA	
191 <213> ORGANISM: Homo sapien	
193 <400> SEQUENCE: 17	
194 cttctgtatt attctc	16
196 <210> SEQ ID NO: 18	
197 <211> LENGTH: 16	
198 <212> TYPE: DNA	
199 <213> ORGANISM: Homo sapien	
201 <400> SEQUENCE: 18	
202 gttctgtcct tgtctc	16
204 <210> SEQ ID NO: 19	

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/756,096

DATE: 01/08/2002
TIME: 15:21:15

Input Set : A:\09756096SEQUENCELISTING.txt
Output Set: N:\CRF3\01082002\I756096.raw

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205 <211> LENGTH: 29
206 <212> TYPE: DNA
207 <213> ORGANISM: Corynebacterium diphtheriae
209 <400> SEQUENCE: 19
210 ggcgcgtcag ggcgcgtatg atgttgg 29
212 <210> SEQ ID NO: 20
213 <211> LENGTH: 36
214 <212> TYPE: DNA
215 <213> ORGANISM: Corynebacterium diphtheriae
217 <400> SEQUENCE: 20
218 ggccaaatggatccgaca cgatttcctg cacagg 36
220 <210> SEQ ID NO: 21
221 <211> LENGTH: 21
222 <212> TYPE: DNA
223 <213> ORGANISM: Corynebacterium diphtheriae
225 <400> SEQUENCE: 21
226 catcgatata atttccttgt g 21
228 <210> SEQ ID NO: 22
229 <211> LENGTH: 20
230 <212> TYPE: DNA
231 <213> ORGANISM: Corynebacterium diphtheriae
233 <400> SEQUENCE: 22
234 atggaaatcta cataaccagg 20
236 <210> SEQ ID NO: 23
237 <211> LENGTH: 20
238 <212> TYPE: DNA
239 <213> ORGANISM: Corynebacterium diphtheriae
241 <400> SEQUENCE: 23
242 gaaggcgttag cactacacgc 20
244 <210> SEQ ID NO: 24
245 <211> LENGTH: 20
246 <212> TYPE: DNA
247 <213> ORGANISM: Homo sapien
249 <400> SEQUENCE: 24
250 cggcacccgtg gccgaatgg 20
252 <210> SEQ ID NO: 25
253 <211> LENGTH: 30
254 <212> TYPE: DNA
255 <213> ORGANISM: Homo sapien
257 <400> SEQUENCE: 25
258 accggaattc atgaagccag gtacaccagg 30
260 <210> SEQ ID NO: 26
261 <211> LENGTH: 20
262 <212> TYPE: DNA
263 <213> ORGANISM: Homo sapien
265 <400> SEQUENCE: 26
266 gggcaagggtg aacgtggatg 20
268 <210> SEQ ID NO: 27
269 <211> LENGTH: 19

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RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/756,096

DATE: 01/08/2002
TIME: 15:21:15

Input Set : A:\09756096SEQUENCELISTING.txt
Output Set: N:\CRF3\01082002\I756096.raw

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270 <212> TYPE: DNA
271 <213> ORGANISM: Homo sapien
273 <400> SEQUENCE: 27
274 atcaggagtg gacagatcc
276 <210> SEQ ID NO: 28
277 <211> LENGTH: 39
278 <212> TYPE: DNA
279 <213> ORGANISM: Artificial Sequence
281 <220> FEATURE:
282 <223> OTHER INFORMATION: Oligonucleotide primer complimentary to the
283 Escherichia coli lacZ gene
285 <400> SEQUENCE: 28
286 gcatgaattc ggtaccatgg gggggttctc atcatcatc
288 <210> SEQ ID NO: 29
289 <211> LENGTH: 36
290 <212> TYPE: DNA
291 <213> ORGANISM: Artificial Sequence
293 <220> FEATURE:
294 <223> OTHER INFORMATION: Oligonucleotide primer complimentary to the
295 Escherichia coli lacZ gene
297 <400> SEQUENCE: 29
298 ctgaggatcc tcttacctgt aaacgccat actgac
300 <210> SEQ ID NO: 30
301 <211> LENGTH: 38
302 <212> TYPE: DNA
303 <213> ORGANISM: Artificial Sequence
305 <220> FEATURE:
306 <223> OTHER INFORMATION: Oligonucleotide primer complimentary to the
307 Escherichia coli lacZ gene
309 <400> SEQUENCE: 30
310 gcatggtaac cctgcagggc ggcttcgtct gggactgg
312 <210> SEQ ID NO: 31
313 <211> LENGTH: 38
314 <212> TYPE: DNA
315 <213> ORGANISM: Artificial Sequence
317 <220> FEATURE:
318 <223> OTHER INFORMATION: Oligonucleotide primer complimentary to the
319 Escherichia coli lacZ gene
321 <400> SEQUENCE: 31
322 ctgaaagctt gttaacttat tattttgac accagacc
324 <210> SEQ ID NO: 32
325 <211> LENGTH: 47
326 <212> TYPE: DNA
327 <213> ORGANISM: Artificial Sequence
329 <220> FEATURE:
330 <223> OTHER INFORMATION: Oligonucleotide primer complimentary to the
331 Escherichia coli lacZ gene
333 <400> SEQUENCE: 32
334 gcatggtaac cctgcagggc ggcttcgtct aataatggga ctgggtg

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<210> 92
<211> 192
<212> DNA
<213> Artificial Sequence

see item 11 on Error Summary Sheet

<400> 92
acgagcttgc tcatgtatcatgggcgag tttagaaccaa gtgaaggcaa gatcaaacat 60
tccggccgca tcagctttg cagccaaattc agttgatca tgccccgtac catcaaggag 120
aacataatct tcggcgtag ttacgacgag taccgtatc gctcggtat taaggcctgt 180
cagttggagg ag 192

fyt

Use of n and/or Xaa has been detected in the Sequence Listing.
Review the Sequence Listing to insure a corresponding
explanation is presented in the <220> to <223> fields of
each sequence using n or Xaa.

09/756,096 2

<210> 91
<211> 30
<212> DNA
<213> Artificial Sequence

<220>
<223> Oligonucleotide give source of genetic material - see item 11
on Errata

<400> 91
gtcagttgga ggaggacatc tccaaagtgg

30 Summary
Sheet

VERIFICATION SUMMARY
PATENT APPLICATION: US/09/756,096

DATE: 01/08/2002
TIME: 15:21:16

Input Set : A:\09756096SEQUENCELISTING.txt
Output Set: N:\CRF3\01082002\I756096.raw

L:551 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:54
L:552 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:54
L:569 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:55
L:570 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:55
L:587 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:56
L:588 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:56
L:952 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:85
L:1030 M:258 W: Mandatory Feature missing, <220> FEATURE:
L:1030 M:258 W: Mandatory Feature missing, <223> OTHER INFORMATION: